

Special Issue

Innovative Approaches in Biosystems Engineering for Sustainable Agriculture

Message from the Guest Editors

This Special Issue aims to highlight the latest advancements and innovative methodologies associated with biosystem engineering that contribute to sustainable agricultural practices. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: 1. Precision agriculture technologies and their impact on crop yield and resource efficiency; 2. Advanced irrigation systems and water management strategies for sustainable agriculture; 3. The integration of renewable energy sources in agricultural operations; 4. Soil health and conservation techniques to enhance productivity and sustainability; 5. The application of data analytics and machine learning in order to optimize farming practices; 6. Innovations in greenhouse and controlled environment agriculture; 7. The role of biosystems engineering in mitigating the effects of climate change on agriculture; 8. Case studies on the successful implementation of sustainable agricultural practices; 9. Policy and economic analysis related to sustainable agriculture and resource management.

Guest Editors

Prof. Dr. Ehab Mostafa

Agricultural Engineering Department, Faculty of Agriculture, Cairo University, Giza Governorate 12613, Egypt

Dr. Hassan Abdellatif

Agricultural Engineering Department, Faculty of Agriculture, Cairo University, Giza Governorate 12613, Egypt

Deadline for manuscript submissions

30 June 2026



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 8.9



mdpi.com/si/217213

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 8.9



[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)



About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)